Index of Claims

| Application No. | Applicant(s)   |
|-----------------|----------------|
| 10/614,900      | HARA, MASAHIRO |
| Examiner        | Art Unit       |
| Uyen-Chau N. Le | 2876           |

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| - | (Through numeral)<br>Cancelled |
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| ÷ | Restricted                     |

| N | Non-Elected  | A | Appeal   |
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| - | Interference | 0 | Objected |

| Cla      | im       |            |           |   |                                     | Date               | е                                   |  |           |   | . 1         | Cla   | im       |                       |   |              | Date                               |   |                              |                                     | - 1      | CI    | aim      |        |   |   | Da  | te      |                 |         | _   |
|----------|----------|------------|-----------|---|-------------------------------------|--------------------|-------------------------------------|--|-----------|---|-------------|-------|----------|-----------------------|---|--------------|------------------------------------|---|------------------------------|-------------------------------------|----------|-------|----------|--------|---|---|---|---------|-----------------|---------|---|
| Final    | Original | 12/6/04    |           |   |                                     |                    |                                     |  |           |   | •           | Final | Original |                       |   |              |                                    |   |                              |                                     |          | Final | Original |        |   |   |   |         |                 |         |   |
|          | ō        | =          |           |   | L                                   |                    |                                     |  |           |   |             | 4     |          |                       |   |              |                                    |   |                              |                                     |          |       | Ö        |        |   |   |   |         |                 |         |   |
| 1        | 1        | =          |           |   |                                     |                    |                                     |  |           |   | .           |       | 51       |                       |   | $oxed{oxed}$ |                                    | $\Box$  |                              |                                     | -        |       | 101      | $\Box$ |   |   | $oldsymbol{\mathbb{T}}$                           | I       | $\mathbf{J}$    |         | $oldsymbol{oldsymbol{oldsymbol{oldsymbol{\Box}}}$ |
| 2        | 2        | Ξ          |           |   |                                     |                    |                                     |  |           |   |             |       | 52       |                       |   |              |                                    |   |                              |                                     |          |       | 102      |        |   |   |   |         |                 |         |   |
| 3        | 3        | =          |           |   |                                     |                    |                                     |  |           |   | , in        |       | 53       |                       |   |              |                                    |   |                              |                                     |          |       | 103      |        |   |   |   |         |                 |         |   |
| 4        | 4        | =          |           |   |                                     |                    |                                     |  |           |   | 1.4.4       |       | 54       |                       |   |              |                                    |   |                              |                                     |          |       | 104      |        |   |   |   |         |                 |         |   |
|          | 5        | -          |           |   | L                                   |                    | L                                   | L  |           |   | 2           |       | 55       |                       |   |              |                                    |   |                              |                                     | 4        |       | 105      |        |   |   | $\perp$   |         |                 |         |   |
|          | 6        | ŀ          |           |   |                                     |                    |                                     |  |           |   | 2           |       | 56       |                       |   |              |                                    |   |                              |                                     | . 6      |       | 106      |        |   |   |   |         |                 |         |   |
|          | 7        | <u>  -</u> |           |   |                                     |                    | <u> </u>                            |  |           |   |             |       | 57       |                       |   |              |                                    |   |                              |                                     |          |       | 107      |        |   |   |   |         |                 |         |   |
|          | 8        | Ŀ          | Ш         |   | _                                   | L                  | L                                   | L  | Ш         |   |             |       | 58       |                       |   |              |                                    |   |                              |                                     | * 3      |       | 108      |        |   |   |   | $\perp$ |                 |         | $\perp$   |
|          | 9        | <u>-</u>   | Ш         |   | <u>_</u>                            | _                  | L                                   | L  |           |   |             |       | 59       |                       | $\perp$   |              | $\sqcup$                           |   |                              |                                     | :        |       | 109      |        | $\perp$   | $\perp$   | $\perp$   | $\perp$ | 丄               |         | $\perp$   |
|          | 10       | <u>  -</u> |           |   |                                     |                    | <u> </u>                            | L  | Ш         |   |             |       | 60       |                       | $\perp$   | $\perp$      |                                    |   |                              |                                     |          |       | 110      |        |   |   | $\perp$   | ┸       | ┸               |         | 丄   |
| <u> </u> | 11       | Ŀ          | Ш         |   | _                                   | $oxed{oxed}$       |                                     |  | Ш         |   |             |       | 61       | $\sqcup \bot$         |   | $\perp$      | $\sqcup$                           |   |                              | Ш                                   |          |       | 111      |        |   | $\perp$   |   | $\perp$ |                 |         | $\perp$   |
|          | 12       | Ŀ          | Ш         |   | _                                   | L                  | _                                   | L  | Ш         |   | H.V.        |       | 62       |                       |   | $\perp$      | $\perp$                            | _ _   |                              | _                                   | £ ( )    |       | 112      |        | $\perp$   | $\perp$   |   | $\perp$ | ┸               |         | $\perp$   |
| 8        | 13       | =          | Ш         |   |                                     | $oxed{oxed}$       | $ldsymbol{ldsymbol{ldsymbol{eta}}}$ |  | Ш         |   | Tà.         |       | 63       | <b>  </b> -           | $\bot$  | $\perp$      | $\sqcup$                           | $\perp$   |                              | <u> </u>                            | ¥        |       | 113      |        | $\perp$   | _ _   | L   | 1       |                 | $\bot$  | $\perp$   |
| 5        | 14       | =          | $\square$ |   | ļ                                   | _                  | <u> </u>                            | <u>_</u>                                     | Ш         |   |             |       | 64       | <b>  -</b>            | $\perp$   | $\bot$       | $\sqcup$                           | _ _   |                              | _                                   | PATE I   |       | 114      | $\Box$ | $\perp$   |   | $\perp$   | $\perp$ | $\perp$         | $\perp$ | $\perp$   |
| 6        | 15       | =          | Ш         |   | <u> </u>                            | _                  | _                                   | <u> </u>                                     | Ш         |   | 14.6        |       | 65       | $\sqcup \!\!\! \perp$ | $\perp$   | $\perp$      | igspace                            | $\perp$   | _                            | $oldsymbol{\sqcup}$                 |          |       | 115      | $\Box$ | $\perp$   | $\perp$   | $\perp$   | 1       | $\perp$         | $\perp$ | 1   |
| 7        | 16       | =          | Ш         |   |                                     | L_                 |                                     | <u></u>                                      | Ш         |   | 13/4        |       | 66       | $\sqcup \!\!\! \perp$ |   | 1            | $\sqcup$                           |   |                              |                                     | E.       |       | 116      |        |   |   | $\perp$   | 1       | $\perp$         | $\perp$ | 1   |
| <u> </u> | 17       | _          |           |   |                                     | L.                 |                                     |  | Ш         |   |             |       | 67       | _ _                   | $\perp$   | $\perp$      | $\sqcup$                           |   | _                            | <u> </u>                            | Ŋ        |       | 117      |        | $\perp$   | $\perp$   |   | $\perp$ | _               | $\perp$ | 1   |
|          | 18       | _          | Ш         |   | _                                   | Ш                  | <u> </u>                            | L.   | Ш         |   | 14.         |       | 68       | $oxed{oxed}$          | 丄   | $\perp$      | $\bot \bot$                        | _   |                              | $oxed{oxed}$                        | W        |       | 118      |        |   |   | _   | _1_     | $\perp$         | $\bot$  | $\perp$   |
|          | 19       | _          | Ш         |   | _                                   | Ш                  | <u>_</u>                            | <u> </u>                                     | Ш         |   |             |       | 69       | Щ.                    |   | _            | $\sqcup$                           | _ _   |                              |                                     |          |       | 119      |        | $\perp$   |   | ⊥   | $\perp$ | $\perp$         | $\perp$ | $\perp$   |
|          | 20       | _          | Ш         |   |                                     | _                  |                                     |  | Ш         |   | 14.1        |       | 70       |                       |   |              | $\bot$                             | _ _   |                              |                                     |          |       | 120      |        |   |   | L.  | $\perp$ |                 |         |   |
|          | 21       | _          | Ш         |   | L                                   | L                  |                                     |  | Ш         |   |             |       | 71       |                       |   |              | $\sqcup$                           |   |                              | oxdot                               | i.<br>Ma |       | 121      |        |   | $\bot \!\!\! igl[$                                |   |         |                 |         |   |
|          | 22       | _          | Ш         |   |                                     | L                  | _                                   | L  | Ш         |   |             |       | 72       |                       | $\perp$   | 1_           | $\bot \bot$                        |   | <u> </u>                     | $ldsymbol{ldsymbol{ldsymbol{eta}}}$ | 5.7      |       | 122      |        |   |   | ⊥   | 1       | $\perp$         | ┵       | $\perp$   |
|          | 23       | <u> </u>   | Ш         |   | L_                                  | L                  | <u> </u>                            | <u>L</u>                                     | Ш         |   | B           |       | 73       | igsquare              | $\perp$   | _            | 1                                  |   |                              | $\perp$                             |          | •     | 123      | Ц      | $\perp$   | $\perp$   | $\perp$   | 1       | 1               | _       |   |
| ldash    | 24       | L.         | Ш         |   | _                                   | $oxed{oxed}$       | _                                   | <u> </u>                                     | Ш         |   |             |       | 74       | ot                    | $\perp$   | _            | $\sqcup$                           | $\perp$   |                              | _                                   | - 7      |       | 124      | $\Box$ | $\perp$   | $\perp$   | ᆚ   | ┸       | ⊥               | ┸       | 丄   |
|          | 25       | L_         |           |   | <u> </u>                            | L                  | L_                                  | <u>L</u>                                     | Ш         |   | 41          |       | 75       | igspace               | ┸   | 1_           | $\sqcup$                           |   |                              | _                                   |          |       | 125      | Ш      | $\perp$   |   | ᆚ   | $\perp$ | ⊥               | $\perp$ | $\bot$  |
|          | 26       | <u> </u>   | Ш         |   | $ldsymbol{ldsymbol{ldsymbol{eta}}}$ | Ш                  |                                     | _  | Ш         |   | 1. 1        |       | 76       |                       | _ _   | _            | $\downarrow \downarrow \downarrow$ |   |                              |                                     |          |       | 126      | Ш      | _ _   |   |   |         |                 |         |   |
|          | 27       |            | Ш         |   | <u> </u>                            | 匚                  | L                                   | $\vdash$                                     | Ш         |   | 12°         |       | 77       |                       | $\perp$   | $\perp$      | $\perp$                            |   |                              |                                     |          |       | 127      | Ш      |   |   |   | 1       |                 | $\perp$ | $\perp$   |
|          | 28       | L.         | Ш         |   | <u> </u>                            | <u> </u>           | _                                   | _  | Ш         |   |             |       | 78       |                       | $\perp$   | 4_           | $\sqcup$                           |   |                              |                                     | 72.5     |       | 128      | $\Box$ | $\perp$   | $\bot$  | $\perp$   | 4       | 4               | $\perp$ | 1   |
|          | 29       | <u>_</u>   |           |   | _                                   | _                  |                                     | <u>.                                    </u> |           |   |             |       | 79       |                       |   | _            | $\sqcup$                           |   |                              |                                     |          |       | 129      |        |   |   | ┸   | ┸       | $\perp$         |         | $\perp$   |
|          | 30       | lacksquare | Ш         |   |                                     |                    | _                                   | L  | Ш         |   |             |       | 80       |                       | 1   | L            |                                    | _   |                              |                                     | 2.1      |       | 130      |        |   |   |   | 1.      |                 |         | Ĺ   |
|          | 31       |            | Ш         |   |                                     | $oxedsymbol{oxed}$ | $oxed{\Box}$                        | L  | Ш         |   | -mi         |       | 81       |                       |   |              | $\coprod$                          |   | $\perp$                      | $ldsymbol{ldsymbol{ldsymbol{eta}}}$ |          |       | 131      |        |   |   | $\perp$   |         |                 | $\perp$ | $\perp$   |
|          | 32       |            |           |   |                                     | $oxed{oxed}$       |                                     | <u> </u>                                     | Ш         |   |             |       | 82       |                       | $\perp$   | ┸            | $\sqcup$                           |   | $\perp$                      |                                     |          |       | 132      |        | $\perp$   |   |   | $\perp$ |                 | $\perp$ | $\perp$   |
|          | 33       | _          | Ш         |   | _                                   | <u> </u>           | _                                   |  | Ш         |   |             |       | 83       |                       | $\perp$   | $\perp$      | 1                                  |   |                              |                                     | Ŧ.       |       | 133      |        | $\perp$   |   | $\perp$   |         |                 |         | $\perp$   |
|          | 34       |            | Ш         |   | _                                   | Ш                  | <u>_</u>                            | <u>_</u>                                     | Ш         | _ |             |       | 84       | $\sqcup \bot$         |   | _            | $\perp \perp$                      | $\bot$  |                              |                                     | 强        |       | 134      |        | $\perp$   |   |   | 丄       |                 | $\perp$ | 丄   |
| <u> </u> | 35       | _          | Ш         |   | L                                   | Ш                  | <u> </u>                            | _  | Ш         |   | 7 40<br>7 % |       | 85       |                       | $\perp$   | _            | $\sqcup$                           |   |                              |                                     | 2 mg.    |       | 135      | $\Box$ | $\perp$   | $\bot$  | $\perp$   | $\perp$ | $\perp$         | $\perp$ | $\perp$   |
|          | 36       | _          | Ш         |   | <u></u>                             |                    |                                     | <u> </u>                                     | Ш         |   |             |       | 86       |                       |   |              | $oldsymbol{oldsymbol{\sqcup}}$     | [_  | $\perp$                      | $oxed{oxed}$                        |          |       | 136      |        |   |   |   | $\perp$ |                 |         | L   |
|          | 37       | _          | Ш         |   |                                     | L                  | L                                   | L  |           |   |             |       | 87       |                       |   |              |                                    |   |                              |                                     | 养品       |       | 137      |        | $\Box$  |   |   | Ĺ       |                 |         | $\perp$   |
|          | 38       |            | Ш         |   |                                     | $\overline{\Box}$  |                                     |  | Ш         |   |             |       | 88       |                       |   |              |                                    |   |                              |                                     |          |       | 138      |        | $oldsymbol{oldsymbol{oldsymbol{oldsymbol{\Box}}}$ |   |   | $\perp$ |                 |         | L   |
| <u> </u> | 39       |            | Ш         | Ī | <u> </u>                            | $oxed{\Box}$       |                                     |  | Ш         |   |             |       | 89       |                       | ╧   |              |                                    |   |                              |                                     |          |       | 139      |        |   |   |   | $\perp$ |                 |         |   |
|          | 40       |            |           |   |                                     | L                  |                                     |  |           |   |             |       | 90       |                       |   |              |                                    |   |                              |                                     |          |       | 140      |        |   | $oldsymbol{oldsymbol{oldsymbol{oldsymbol{\Box}}}$ | $\perp$   |         | $\perp$         |         | $\perp$   |
|          | 41       |            | Ш         |   | L                                   | $oxed{\Box}$       |                                     |  | Ш         |   | 1           |       | 91       |                       |   |              |                                    |   |                              |                                     | i iii    |       | 141      |        |   |   |   |         |                 |         |   |
|          | 42       | _          |           |   | <u> </u>                            |                    | L                                   |  | $\Box$    |   |             |       | 92       | $\Box$                |   |              |                                    | $oldsymbol{oldsymbol{oldsymbol{oldsymbol{\Box}}}$ |                              |                                     | W        |       | 142      |        |   | $oldsymbol{\bot}$                                 |   |         |                 |         |   |
|          | 43       | <u> </u>   | $\Box$    |   |                                     |                    |                                     |  | Ш         |   |             |       | 93       |                       | $\perp$   |              |                                    | $oldsymbol{\perp}$                                |                              |                                     |          |       | 143      |        | $\Box$  | $\perp$   | $\perp$   | $\perp$ |                 |         | $\perp$   |
|          | 44       | 匚          |           |   |                                     | Ŀ                  |                                     | L  | Ш         |   |             |       | 94       |                       |   |              |                                    |   |                              |                                     |          |       | 144      |        | $\Box$  | $oldsymbol{oldsymbol{oldsymbol{oldsymbol{\Box}}}$ | $\perp$   |         | $\int$          |         | $\perp$   |
|          | 45       | L          |           |   |                                     |                    |                                     | Ĺ  |           |   |             |       | 95       |                       | $\perp$   |              |                                    |   |                              |                                     | 1. 1     |       | 145      |        | Ι   |   | $\perp$   |         | $\perp$         |         | $\perp$   |
|          | 46       | 匚          |           |   |                                     |                    | L                                   |  |           |   | おいて まんしょ    |       | 96       |                       | $oldsymbol{oldsymbol{oldsymbol{oldsymbol{\Box}}}$ | $oxed{\Box}$ |                                    | $oldsymbol{\mathbb{I}}$                           |                              |                                     | 2,1      |       | 146      |        | $\Box$  |   | $oldsymbol{oldsymbol{oldsymbol{oldsymbol{\Box}}}$ |         | $oldsymbol{	o}$ |         |   |
|          | 47       | L          |           |   |                                     |                    |                                     | L  | $\square$ |   | 40          |       | 97       |                       | $\int$  | $\prod$      |                                    | $oxed{\int}$                                      |                              |                                     |          |       | 147      |        | $oxed{\int}$                                      |   | $\int$  |         | J               |         |   |
|          | 48       |            |           |   |                                     |                    |                                     | Ľ  |           |   | A 1         |       | 98       |                       |   | Ι            |                                    |   | $oldsymbol{oldsymbol{\Box}}$ |                                     |          |       | 148      |        | $\Box$  | $oldsymbol{oldsymbol{oldsymbol{oldsymbol{\Box}}}$ |   | I       |                 |         | $oldsymbol{oldsymbol{oldsymbol{oldsymbol{\Box}}}$ |
|          | 49       |            |           |   |                                     |                    |                                     |  |           |   | 4           |       | 99       |                       |   |              |                                    |   | T                            |                                     |          |       | 149      |        |   |   | J   |         | T               |         | T   |
|          | 50       |            |           |   |                                     | Γ                  |                                     |  | П         |   |             |       | 100      |                       | $\top$  | T            |                                    | T   | 1                            |                                     | 7        |       | 150      |        | $\neg$  |   | Т   | Т       | Т               |         | T   |